

Illinois Environmental Protection Agency

US EPA RECORDS CENTER REGION 5



486798

Pg. 1



1701 S. 1st St.
Maywood, Ill. 60153

312/345-9780
1701 S. First Ave. - 6th Fl.
Maywood, IL 60153

Reference # 5

Refer to: Cook County - 03145201 - Hinsdale/Sexton

October 9, 1980

John Sexton Sand & Gravel Corp.
1815 South Wolf Road
Hillside, IL 60162

Dear Sir:

Your solid waste disposal facility was visited on September 11, 1980 in response to the emergency deposition of a hot load, which contained unknown chemicals.

Three samples were collected on the above date and the analysis forwarded to you. We have found the material deposited at your site to be non-hardous. You are urged to apply for a supplemental permit to accept the subject load at your site or notify Western Electric and/or Kucera Disposal Co. of the need for its removal.

Your cooperation in this matter is certainly appreciated. If this Agency can be of further assistance, please feel free to contact us.

Sincerely,

Kenneth P. Bechely, Northern Region Manager
Field Operations Section
Division of Land/Noise Pollution Control

DMS/dms

cc: Division File
Northern Region ✓

Illinois Environmental Protection Agency



1701 S. 1st St.
Maywood, Ill. 60153

312/3459780

Refer to: Cook County - 03145201 - Hinsdale/Sexton

October 20, 1980

Western Electric Company
22nd and Cicero
Cicero, Illinois 60623

Mr. Ray Albrecht,

On September 9, 1980, Western Electric Company and Kucera Disposal Company were involved in an incident in which a load of refuse from your Foundry Division caught fire on route to be landfilled. This hot load produced fumes that sent two police officers to the hospital for treatment of eye and skin irritation. The load was taken to Hinsdale/Sexton landfill, was unloaded and temporarily covered.

Information from your office and Kucera Disposal indicates that approximately 200-400lbs. of Calcium Oxide contained in lined cardboard boxes were deposited into a roll-off box used for the disposal of general refuse only. Rain that morning, is likely to have caused the Calcium Oxide to react and produce enough heat to start the roll-off box on fire. The Calcium Oxide (a special waste) should not have been deposited in a receptacle used for general refuse, but put into a separate receptacle for special waste. This Agency therefore requests that Western Electric Company take appropriate measures to inform it's employees on the proper handling and disposal techniques for Special Waste, to insure that a potentially dangerous incident such as this does not threaten the health and safety of your employees, or the general public in the future.

Your cooperation and concern in this matter is certainly appreciated, if this Agency can be of any assistance please feel free to contact us.

Sincerely,

A handwritten signature in dark ink, appearing to read "Kenneth P. Bechely".

Kenneth P. Bechely, Northern Region Manager
Field Operations Section
Division of Land/Noise Pollution Control

BPB/bpb

cc: Division File
Northern Region ✓

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

L P C F C O 5 5 C
(1) (8) (9)

OBSERVATION REPORT - SITE INVENTORY NO. 03145201

(11) (18)

COOK

CO. - L.P.C.

Region # 11

Date 29/11/80

(20) (25)

Letter Sent (Yes or No) N

(26)

Weather SUNNY MILD 75

Inspector D M S

(27) (29)

Previous Inspection 8-25-80 Previous Correspondence 9-9-80 Site Open: Yes (X) No ()

OPERATIONAL STATUS:

TYPE OF OPERATION:

AUTHORIZATION:

Operating (X)	Landfill (X)	Storage ()	E.P.A. Permit (X)
Temporarily Closed ()	Random Dump ()	Salvage ()	Variance ()
Closed Not Covered ()	Other ()	A.C.D. ()	21(e) ()
Closed and Covered ()	Quantity Received Daily(1-6) 3	Board Order ()	Illegal (5) ()
	(30)		(31)

IMPROVED

SAME

-SEE MEMO ALSO-

LPC 4 1/79 5,000

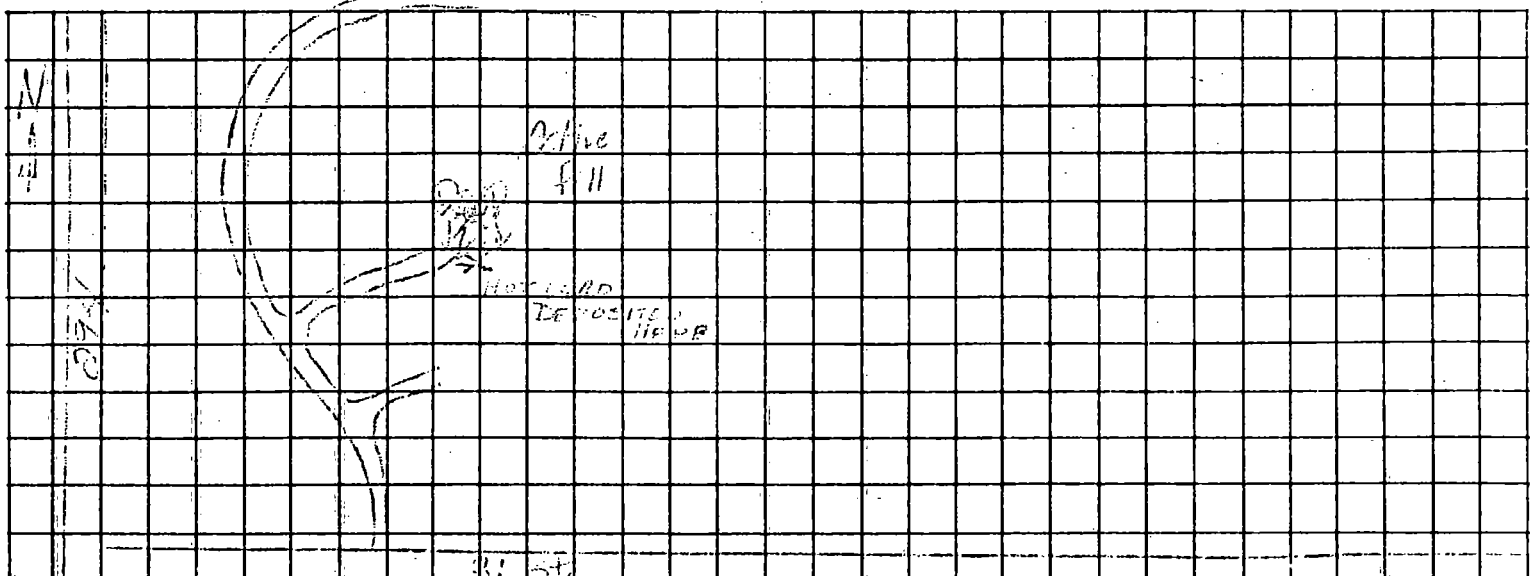
DETERIORATED

I S or D S
(62)

GENERAL REMARKS: Visited the site with Brad Benning special waste section of I.C.P.A. due to the deposition of a "hot load" at the site. A smoldering load in a roll off box was deposited at the subject site, at for a police escort. The load was deposited along the east side of the on-site road at the center of the site. The Spear chemist at Section and Benning site operator were present at the site. Two or three drums of an unknown material were observed by Wilford when the hot load dump and its contents covered to put off the fire. The area was dug

INTERVIEW: up by Wilford as Spear Benning + I observed. No barrels were excavated but samples were taken of a smoldering white material. An analysis has been received from our lab at this time. The area will not be marked or staked as there are only two operators at the site and word of mouth will be sufficient to keep the area undisturbed until analysis is received and Section agrees to accept or reject the load.

DIAGRAM:



Date: September 10, 1980

Time: 2:15 A.M. P.M.

Photograph By:

A. Spencer

Location: LPC- 03145201

Cook Co.

Hinsdale, Sexton

Comments: Photograph taken

toward the south from
the on-site road



Date: September 10, 1980

Time: 2:15 A.M. P.M.

Photograph By:

A. Spencer

Location: LPC- 03145201

Cook Co.

Hinsdale, Sexton

Comments: Photograph taken

toward the south from
the on-site road





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DATE: September 15, 1980

TO: Division File

FROM: Brad Benning

SUBJECT: Cook Co. Hinsdale/Sexton Emergency Response 03145201

On 9/9/80, Brad Benning and Diane Spencer responded to a call from emergency response concerning a truck that had dumped a hot load possibly containing some chemicals at the Hinsdale/Sexton landfill in Hinsdale, Illinois.

Lt. Ray Petter of the Oakbrook Fire Dept. stated that two Hinsdale police officers that followed the load to the landfill complained of eye and skin irritation, and were sent to the hospital for observation. Our initial information was that the load had been picked up at Western Electric Plant in Cicero, Illinois, by Kucera Disposal Co., a licensed special waste hauler in Cicero, Illinois. Art Herren of Western Electric's Foundry Division believed the load may have possibly contained some calcium oxide, magnesium and iron.

We arrived at the Hinsdale/Sexton site at approximately 1:00P.M. and met with Don Wilford, the Site Manager and Joe Spears, Chemist for Sexton Contractors. We proceeded to the area where the load was dumped to obtain samples. The load was still smouldering after it was uncovered, and Mr. Spears, using the air pac, took a sample of a white powder material. I then took two more samples using the air pac and spill suit of a black material and a gray granular material. These three samples were split with Mr. Spears for analysis. The attached Sexton analysis showed the material to be predominantly calcium and iron with other trace elements. IEPA's analysis will determine if the amounts of the elements present will make the material hazardous. The load was then recovered and marked and will remain at Hinsdale/Sexton until our analysis is completed.

After conversations with Kucera Disposal and Ray Albrecht of Western Electric's Environmental Division, it appears that a 30 cu. yd. roll off containing general refuse was picked up at Western Electric at 7:10A.M. and taken to Kucera's plant to sort, and then on to Lisle Township/Green Valley for disposal. Apparently the chemicals that were mistakenly put into the roll off were contained only in cardboard cartons with poly liners, and the calcium oxide may have gotten wet due to the rain that morning and generated enough heat to cause the fire. The load began to smoulder at Kucera's site, and approximately 25 cu. yds. were returned to Western Electric and only 4-5 cu. yds. were dumped at Hinsdale/Sexton. Mr. Albrecht of Western Electric is investigating as to how the chemicals were placed in the roll-off use for general refuse. Their analysis of the material returned to them showed it to be anhydrous calcium oxide and trace amounts of iron, copper and magnesium.

Mr. Spears of Sexton Contr. stated if the material is found to be non-hazardous that Hinsdale/Sexton would apply for an emergency supplemental permit to accept the 4-5 cu. yds. of waste. Final action will be taken when our lab analysis is received.

cc Northern Region

powder +
rain =
sludge

R. E. DAVIS CHEMICAL CORPORATION
721 ENTERPRISE DRIVE
OAK BROOK, ILLINOIS 60521
PHONE 654-4880

September 11, 1980

Mr. J. Spears
JOHN SEXTON CONTRACTORS CO.
1815 South Wolf Road
Hillside, IL. 60162

Re: Analysis of three unknown samples

Dear Mr. Spears:

Sample of white powder #1 was assigned our DCC #0980-0049. This sample was analyzed by X-ray Fluorescence on a semi-quant basis only. The bulk of this material is calcium, iron with minor amounts of strontium, yttrium, lutetium and molybdenum. It appears that this material might have its origin in a water treatment plant in as much as it contains primarily materials that would be precipitated in this type of treatment.

Black material sample #2 was assigned our DCC #0980-0052. This sample was analyzed by X-ray Fluorescence. It contains predominantly calcium, iron with minor amounts of titanium, manganese, nickel, copper, zinc, lead, aluminum and silicon.

Sample of grey material #3 was assigned our DCC #0980-0051. This material is predominantly calcium, iron, with minor amounts of nickel, copper, zinc, lead, rubidium, strontium, molybdenum, barium. There is a possibility that it contains minor amounts of gallium. There are trace amounts of aluminum and silicon.

The ratios of various intensities were used to calculate a semi quantitative analysis relative to percentage of elements present. These results are in no means meant to be quantitative analysis. These results are to be used simply to indicate the presence or absence of the material in the sample. Quantitative results would require the utilization of the atomic absorption after dissolving the samples in a suitable acid. In as much as time for this analysis is limited and no request was made for quantitative results this work was not done.

Very truly yours,

Robert E. Davis
Robert E. Davis

RED/ks

INPUT ANALYZER RUN CONDITIONS:

DATE: 9/10/80

MICROAMPS: 200

KILOVOLTS: 40

ENERGY SCALE: 0-40

FILTER: NO

ANODE: RH

DISK DRIVE FOR DATA (0 OR 1): 1

INPUT FILENAMES FOR DATA:

1 (UNKNOWN):DC0049

****REPORT****

SAMPLE 1 : DC0049
ANALYSIS ID: XR-93A
TIME: 400 SEC

white powder #1

ELEMENT	INTENSITY CPS	BACKGROUND CPS	
SRLAB	27.88 ± 1.035%	2.717	1.22
MOLA	11.88 ± 1.768%	2.885	0.52
CAKA	1869.86 ± 0.116%	3.537	81.63
CAKB	296.42 ± 0.294%	3.686	12.94
FEKA	4.74 ± 3.018%	1.725	0.21
FEKB	0.63 ± 13.11%	1.064	0.03
YBLA	2.76 ± 3.994%	1.047	0.12
LULA	0.71 ± 11.69%	1.032	0.03
YBLB	0.04 ± 195.6%	0.935	0.001
LULB	0.47 ± 15.81%	0.886	0.02
SRKA	47.88 ± 1.169%	38.72	2.09
SRKB	6.27 ± 8.537%	54.18	0.27
MOKA	21.10 ± 3.969%	129.7	0.92

*Al } trace
Si }*

DO YOU WISH TO OUTPUT INTENSITY RATIOS (YES OR NO): NO

END OF ANALYSIS

DATE: 9/10/80

MICROAMPS: 200

KILOVOLTS: 50

ENERGY SCALE: 0-40

FILTER: MO

ANODE: RH

DISK DRIVE FOR DATA (0 OR 1): 1

INPUT FILENAMES FOR DATA:

1 (UNKNOWN):DC0050

****REPORT****

SAMPLE 1 : DC0050
ANALYSIS ID: XR-93B
TIME: 400 SEC

Black Duck #2

ELEMENT	INTENSITY CPS	BACKGROUND CPS	
SRLAB	25.99 ± 1.096%	3.237	2.59
CAKA	497.22 ± 0.226%	2.889	49.63
CAKB	86.88 ± 0.555%	2.994	8.67
TIKA	7.88 ± 2.595%	4.430	0.79
TIKB	2.21 ± 6.700%	3.296	0.22
MNKA	0.69 ± 19.66%	3.349	0.07
FEKA	129.04 ± 0.455%	4.450	12.88
FEKB	19.85 ± 1.284%	3.072	1.98
NIKA	1.90 ± 6.356%	1.976	0.19
CUKA	6.76 ± 2.394%	1.863	0.67
ZNKA	8.51 ± 1.991%	1.485	0.85
ZNKB	1.59 ± 7.584%	2.082	0.16
PBLA	4.75 ± 3.451%	3.003	0.47
BRKA	0.00 ± 0.000%	8.771	0
PBLB	2.28 ± 11.74%	13.00	0.23
BRKB	1.79 ± 16.35%	16.14	0.18
16.64 SRKA	30.31 ± 1.807%	44.86	3.03
MOKA SRKB	4.64 ± 12.32%	63.01	0.46
18.56 16.64	64.31 ± 1.807%	181.5	6.42
MOKA	29.26 ± 3.360%	179.7	2.92
18.56	76.01 ± 1.163%	118.3	7.59

*Al } trace
Si }*

DO YOU WISH TO OUTPUT INTENSITY RATIOS (YES OR NO): NO

INPUT ANALYZER RUN CONDITIONS:

DATE: 9/10/80

MICROAMPS: 100

KILOVOLTS: 50

ENERGY SCALE: 0-40

FILTER: MD

ANODE: RH

DISK DRIVE FOR DATA (0 OR 1): 1

INPUT FILENAMES FOR DATA:

1 (UNKNOWN):DC0051

****REPORT****

SAMPLE 1 : DC0051
 ANALYSIS ID: XR-93C
 TIME: 400 SEC

grey mass #3

ELEMENT	INTENSITY CPS	BACKGROUND CPS
---------	------------------	-------------------

CAKA	9.10 ± 3.371%	14.26	4.12
CAKB	1.05 ± 23.72%	11.99	47.55
TIKA	2.21 ± 10.44%	9.521	1.00
TIKB	0.01 ± 1314%	6.289	0
FEKA	53.03 ± 0.721%	2.686	24.01
FEKB	9.03 ± 2.027%	2.184	4.09
NIKA	1.38 ± 7.891%	1.673	0.62
CUKA	0.20 ± 42.09%	1.280	0.09
ZNKA	2.45 ± 4.446%	1.142	1.11
GAKA	0.71 ± 11.08%	0.886	0.32
ZNKB	0.56 ± 13.47%	0.858	0.25
GAKB	0.09 ± 77.41%	0.851	0.04
PBLA	1.46 ± 6.948%	1.335	0.46
PBLB	1.68 ± 12.42%	7.837	0.76
RBKA	3.45 ± 8.086%	13.80	1.56
SRKA	7.70 ± 4.658%	21.86	3.49
RBKB	1.95 ± 19.45%	27.80	0.88
SRKB	34.30 ± 1.730%	53.28	15.53
16.73	29.71 ± 2.929%	136.6	13.45
MOKA	15.56 ± 5.696%	149.3	7.05
18.56	26.38 ± 3.276%	136.2	11.95
BAKA	15.64 ± 5.372%	133.4	7.08
BAKB	3.19 ± 17.57%	61.23	1.44

*Al } trace
Si }*

Time Collected: 1:30 pm

Lab # 01315 SEP10

Date Collected: 9/9/80

SPECIAL ANALYSIS FORM

Date Received _____

X 201

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

Cook

FILE HEADING:

HINSDALE/Kucera

FILE NUMBER:

Emergency Response

SOURCE OF SAMPLE: (Exact Location)

HINSDALE/Sexton Landfill

PHYSICAL OBSERVATIONS, REMARKS:

White powder

TESTS REQUESTED:

48 Leach

COLLECTED BY: Brad Benning

TRANSPORTED BY: Environmental Protection Agency

LABORATORY Division of Laboratory Services

3131 W. Taylor Street

Chicago, Illinois 60612

RECEIVED BY: R. Modi. 9:30 AM

DATE

COMPLETED:

DATE

FORWARDED: 10.3.80

Ca-862

Pb - <0.03

Daugherty

Mg - 0.0

Hg - <0.05

Fe - 0.0

Mn - 0.02

As - <0.001

Cl - 5

BA - 0.4

RECEIVED

Cd - 0.00

OCT 6 1980

Cr - 0.06

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Cu - 0.01

Hu

Time Collected: 1:30 pm

Lab # 01316 SEP10

Date Collected: 9/9/80

SPECIAL ANALYSIS FORM

Date Received _____

X 202 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook FILE HEADING: HINSDALE/Kuccia FILE NUMBER: Emergency Response

SOURCE OF SAMPLE: (Exact Location)

HINSDALE/Sexton Landfill

PHYSICAL OBSERVATIONS, REMARKS:

Black powder

TESTS REQUESTED:

48 hr. Leach

COLLECTED BY: Bruce Berning TRANSPORTED BY: Bruce Berning

LABORATORY Division of Laboratory Services
3121 W. Taylor Street
Chicago, Illinois 60612

RECEIVED BY: R. Modi. 9:30 AM DATE COMPLETED: 9-10-80 FORWARDED: 10-3-80

Ca - 683

Pb - < 0.03

Daugherty

Mg - 0.0

Hg - < 0.05

Fe - 0.0

Mn - 0.01

As - 0.002

Cl - 23

BA - 0.1

Cd - 0.00

Cr - 0.01

Cu - 0.03

RECEIVED

101 1980

ILL. E.P.A. - D.L.R.C.
STATE OF ILLINOIS

Time Collected: 1:30 pm

Lab # 01317 SEP10

Date Collected: 9/9/90

SPECIAL ANALYSIS FORM

Date Received _____

X203 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook FILE HEADING: HINSDALE/Kuccia FILE NUMBER: Emergency Response

SOURCE OF SAMPLE: (Exact Location)
Hinsdale/Sexton Landfill

PHYSICAL OBSERVATIONS, REMARKS:
White material

TESTS REQUESTED: 48 hr. Leach

COLLECTED BY: Brad Benning TRANSPORTED BY: Environmental Protection Agency Laboratory Services
LABORATORY: 2131 W. Taylor Street Chicago, Illinois 60612

RECEIVED BY: R. Modi DATE: 9-30 AM COMPLETED: _____ DATE FORWARDED: 10-3-80

<u>Ca - 66.5</u>	<u>Pb - <0.03</u>	<u>Daugherty</u>
<u>Mg - 0.0</u>	<u>Hg - <0.05</u>	
<u>Fe - 0.0</u>	<u>Mn - 0.00</u>	
<u>As - 0.004</u>	<u>Cl - 9</u>	
<u>BA - 0.0</u>		
<u>Cd - 0.00</u>		
<u>Cn - 0.00</u>		
<u>Cu - 0.02</u>		

RECEIVED

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

WR 2

Time Collected: 1:30 pm
Date Collected: 9/9/80

Lab #, 01315 SEP10
SPECIAL ANALYSIS FORM
Date Received _____

X 201 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
COUNTY: COOK FILE HEADING: HINSDALE/Kucera FILE NUMBER: Emergency Response

SOURCE OF SAMPLE: (Exact Location)
HINSDALE/Sexton Landfill

PHYSICAL OBSERVATIONS, REMARKS:
White powder

TESTS REQUESTED: 48 Leach

COLLECTED BY: Brad Benning TRANSPORTED BY: Environmental Protection Agency
LABORATORY Division of Laboratory Services
3181 W. Taylor Street
Chicago, Illinois 60612

RECEIVED BY: R. Modi. 9:30 AM DATE COMPLETED: _____ DATE FORWARDED: 10.3.80

<u>Ca-862</u>	<u>Pb - <0.03</u>	<u>Daugherty</u>
<u>Mg-0.0</u>	<u>Hg - <0.05</u>	
<u>Fe-0.0</u>	<u>Mn - 0.02</u>	
<u>As - <0.001</u>	<u>Cl - 5</u>	
<u>BA-0.4</u>		
<u>Cd-0.00</u>		
<u>Cr-0.06</u>		
<u>Cu-0.01</u>		

RECEIVED

SEP 9 1980

ILL. EPA - DEPC
STATE OF ILLINOIS

Time Collected: 1:30 pm

Lab #

01316 SEP10

Date Collected: 9/9/80

SPECIAL ANALYSIS FORM

Date Received _____

X 202

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

Cook

FILE HEADING:

HINSDALE/Kuccia

FILE NUMBER:

Emergency Response

SOURCE OF SAMPLE: (Exact Location)

HINSDALE/Sexton Landfill

PHYSICAL OBSERVATIONS, REMARKS:

Black powder

TESTS REQUESTED:

48 hr. Leach

COLLECTED BY: Brad Benning

TRANSPORTED BY: Brad Benning

LABORATORY Division of Laboratory Services
3121 W. Taylor Street
Chicago, Illinois 60618

RECEIVED BY: R. Modi. 9:30 AM

DATE

COMPLETED:

FORWARDED: 10-3-80

Ca - 683

Pb - < 0.03

Daugherty

Mg - 0.0

Hg - < 0.05

Fe - 0.0

Mn - 0.01

As - 0.002

Cl - 23

BA - 0.1

RECEIVED

Cd - 0.00

SEP 9 1980

Cr - 0.01

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Cu - 0.03

WFZ

Time Collected: 1:30 pm

Lab # 01317 SEP10

Date Collected: 9/9/90

SPECIAL ANALYSIS FORM

Date Received _____

X203
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
COUNTY: Cook FILE HEADING: HINSDALE/Kuccia FILE NUMBER: Emergency Response

SOURCE OF SAMPLE: (Exact Location)
Hinsdale/Sexton Land Fill

PHYSICAL OBSERVATIONS, REMARKS:
White material

TESTS REQUESTED: 48 hr. Leach

COLLECTED BY: Brad Benning TRANSPORTED BY: Environmental Protection Agency Laboratory Services
LABORATORY: 2121 W. Taylor Street Chicago, Illinois 60612

RECEIVED BY: R. Modi DATE: 9-30 AM COMPLETED: _____ DATE FORWARDED: 10-3-80

<u>Ca - 66.5</u>	<u>Pb - <0.03</u>	<u>Paugherty</u>
<u>Mg - 0.0</u>	<u>Hg - <0.05</u>	
<u>Fe - 0.0</u>	<u>Mn - 0.00</u>	
<u>As - 0.004</u>	<u>Cl - 9</u>	
<u>BA - 0.0</u>		
<u>Cd - 0.00</u>		
<u>Cr - 0.00</u>		
<u>Cu - 0.02</u>		

RECEIVED

OCT 9 1980

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS